## Comparison of anterior segment measurements using rotating Scheimpflug imaging and partial coherence interferometry

AIM:

To compare central corneal thickness (CCT) and anterior chamber depth (ACD) measurements using rotating Scheimpflug imaging and partial coherence interferometry.

## **METHODS:**

As part of the first phase of Shahroud Eye Cohort Study with 19. osubjects of \$10 Teyears of age, CCT and ACD were measured using Scheimpflug imaging with the Pentacam (Oculus, Inc., Lynnwood, WA, USA) and partial coherence interferometry with the Allegro BioGraph (Wavelight, Erlangen, Germany.)

## **RESULTS:**

After applying exclusion criteria, we had data of  $\mbox{\ensuremath{$^{\gamma}$}}\mbox{\ensuremath{$ 

## CONCLUSION:

For both CCT and ACD, the BioGraph gave significantly lower values than the Pentacam (P.(·.·o>Despite the high inter-device correlation, the %qolimits of agreements were wide, and this may limit their interchangeability in measuring the CCT and ACD.